

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 50.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001725**Date Inspected:** 04-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Jiangyin**Location:** Chang xing dao, Shanghai**Quality Control Contact:** Mr. Don walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** See below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

An inspection was requested for the OBG segment, 7EW, internal entire floor from the weld seam to p.p60 to p.p59 for the visual inspection after Pre blasting, vide request no. 2616 at Blasting shop 1. This Caltrans inspector observed, ABF inspectors Mr. Don waltom performing visual inspection of weld repairs, Spatters, porosity etc. Caltrans Inspectors Mr. Tim mclandon, Mr. Larry viars, Mr. Bera, Mr.Chandra were present for marking these defects during this inspection.(Photo attached). The ambient conditions found to be 5.7 deg. above dew point and the relative humidity found to be 53.4% inside the paint shop which is found to be within the parameters of contract documents.

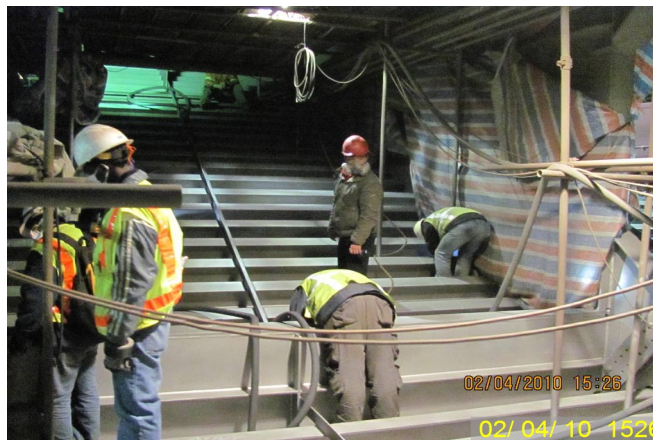
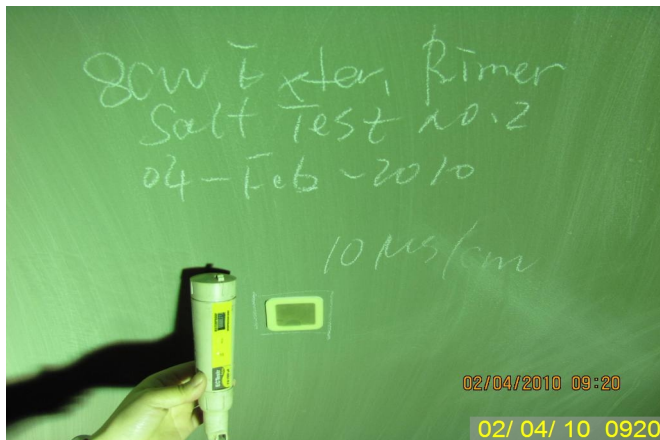
An inspection was requested for the OBG segment, 8CW, external surface for residual chlorides test, MEK test and DFT check of external Interzinc 22 applied areas, reuest no. 2613 at Painting shop 2. This Caltrans inspector observed, ABF inspectors Mr. Sun, Mr. Jiang huan, Mr. Zhou wei and Mr. Shi stone performing above mentioned inspections.(Photo attached) Residual chlorides test conducted by ZPMC and the results were found to be 10 us/cm and 20 us/cm which is acceptable as per contract documents.(Photo attached). DFT and surface preparation inspected by ABF Inspectors and found within the requirement of contract documents. The results of MEK test for Interzinc 22 curing found to be in the grade 4 which require further curing, hence this MEK test results were found rejected by ABF Inspectors. The same segment were offered for MEK test vide Inspection

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request no. 2615 .The ambient conditions found to be within the parameters of contract documents. International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No applicable conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest (15000422360), who represents the Office of Structural Materials for your project.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer